



NOV 29 2001
RECEIVED

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/451739 D

Source: AU 1600

Date Processed by STIC: 11/09/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION ..</u>	<u>SERIAL NUMBER:</u> <u>09/451739 D</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY P		
1 <input type="checkbox"/> Wrapped Nucleic <input type="checkbox"/> Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length.	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>..<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>..<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>..<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>..<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID,NO where "X" is shown) This sequence is intentionally skipped	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
9 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Sequence(s) _____ missing. If Intentional, please insert the following lines for each skipped sequence <210> sequence id number <400> sequence id number 000	
10 <input type="checkbox"/> Invalid <213> Response	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>..<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents	
11 <input type="checkbox"/> Use of <220>	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>..<223> section is required when <213> response is Unknown or Artificial Sequence	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
13 <input type="checkbox"/> Misuse of n	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	

"n" can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/451,739D

DATE: 11/09/2001

TIME: 11:14:22

Input Set : A:\#703518v1 -DECEMBER 8 REVISED SEQUENCE LISTING NDH.txt
 Output Set: N:\CRF3\11092001\I451739D.raw

1 <110> APPLICANT: Jager, Dirk
 2 Scanlan, Matthew
 3 Gure, Ali
 4 Jager, Elke
 5 Knuth, Alexander
 6 Old, Lloyd
 7 Chen, Yao-tseng

Does Not Comply
 Corrected Diskette Needed

9 <120> TITLE OF INVENTION: Isolated Nucleic Acid Molecules Encoding Cancer Associated Antigens,

10 the Antigens per se, and Uses Thereof
 12 <130> FILE REFERENCE: LUD 5615
 14 <140> CURRENT APPLICATION NUMBER: 09/451,739D
 16 <141> CURRENT FILING DATE: 1999-11-30
 18 <160> NUMBER OF SEQ ID NOS: 19
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 1533
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Homo sapiens

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26 <221> NAME/KEY: CDS
 27 <222> LOCATION: 235
 28 <223> OTHER INFORMATION: unknown

W--> 29 <400> SEQUENCE: 1

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34	ctggggccctc	tcccgcgg	gtgtgcgc	tcgtacgcgc	ggcccccggc	gccagccccg	180
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38	cggcccgcc	cctcaggcgc	tgggtcccc	gcccggccgg	aggcggcgga	cgggctcg	300
40	agatgttagcc	gccggggcga	agcaggagcc	ggcgaaaaaaa	cgccgggaga	gcgaggggctt	360
42	tgcattttgc	agtgttattt	tttgagggggg	gccccgggtg	gagaaatgtcg	gaaagccgcg	420
44	ccgagtcgc	ggggacctcc	gggtgaacc	atgttgcgtc	ctgccaacgg	ggagcagctc	480
46	cacctggta	actatgttga	ggactacctg	gactccatcg	agtccctgcc	tttcgacttg	540
48	cagagaaatg	tctcgctgat	gccccggatc	gacgcggaaat	accaagagat	cctgaaggag	600
50	ctagacgagt	gctacgagcg	cttcagtcgc	gagacagacg	gggcgcagaa	gcggcggatg	660
52	ctgcactgtg	tgcagcgcgc	gtgtatccgc	agccaggagc	tgggcgcacga	gaagatccag	720
54	atctgtgagcc	agatggtgg	gctgggtggag	aaccgcacgc	ggcagggtgg	cagccacgtg	780
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60	cggccggcagc	gcaacaacga	gaaccgtgag	aacgcgtcca	gcaaccacga	ccacgacgac	960
62	ggccgcctcg	gcacaccaa	ggagaagaag	gccaagaccc	ccaagaagaa	gaagcgtcc	1020
64	aaggccaagg	cgaggcgaga	ggcgccccct	gcccaccc	ccatcgaccc	caacgaaccc	1080
66	acgtactgtc	tgtcaacca	ggtctccat	ggggagatga	tgcgtgcga	caacgacgag	1140
68	tgcggccatcg	agtggttcca	cttctcg	gtgggctca	atcataaacc	caaggcgaag	1200
70	tggtaactgtc	ccaagtgc	gggggagaac	gagaagacca	tggacaaagc	cctggagaaa	1260
72	tccaaaaaaag	agaggccta	caacaggtag	tttgcgtac	ggccgcctgg	gtgaggagga	1320
74	caaaaataaac	cgtgtatcca	ttacattgtc	gccttgc	aggtgcagg	agtgtaaaat	1380
76	gtatattttt	aaagaatgtt	agaaaaggaa	ccattcc	cataggatg	gcagtgattc	1440
78	tgtttgcctt	ttgtttcat	tgttacacgt	gtaacaagaa	agtggctgt	ggatcagcat	1500

Emored
field 220
223 Error
5 of 7B
Page

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/451,739D

DATE: 11/09/2001
TIME: 11:14:22

Input Set : A:\#703518v1 -DECEMBER 8 REVISED SEQUENCE LISTING NDH.txt
Output Set: N:\CRF3\11092001\I451739D.raw

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84 <211> LENGTH: 1143
85 <212> TYPE: DNA
86 <213> ORGANISM: Homo sapiens
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90 agcagtgtatccgggcctgt ggctcgcccc cggggctgca gttcgacccg cctcccgccga 120
92 cccgcggggg ctccggagaca gtttcaggcc gcattttgc tgaccccgagg gtggggccgc 180
94 gctgtggccgtt ggaaacacat cctgaaggag ctagacgagt gctacgagcg ctccgtcg 240
96 gagacagacg gggcgccagaa gcggcgatg ctgcactgtg tgcagcgcgc gctgatccgc 300
98 agccaggagc tggcgacga gaagatcccg atcgtgagcc agatggtga gctggtggag 360
100 aaccgcacgc ggcaggtgga cagccacgtg gagctgtcg aggccgcacca ggagctggc 420
102 gacacagtgg gcaacagcgg caaggttggc gcggacaggc ccaatggcga tgcggtagcg 480
104 cagtctgaca agcccaacag caagcgctca cggccggcgc gcaacaacga gaaccgtgag 540
106 aacgcgtcca gcaaccacga ccacgcacgc ggcgcctcg gcacacccaa ggagaagaag 600
108 gccaagacctt ccaagaagaa gaagcgctcc aaggccaaagg cggagcgaga ggctcccct 660
110 gccgacacctt ccattcgaccc caacgcaccc acgtactgtc tgcgtcaacca ggtctccttat 720
112 gggggatgatc cggtgtcgca caacgcacgc tgcccatcg agtggttcca ctctcggtgc 780
114 gtggggctca atcataaaacc caaggccaaag tggtaactgtc ccaagtgcgc gggggagaac 840
116 gagaagacca tggacaaagc cctggagaaaa tccaaaaaaag agagggctt caacaggtag 900
118 ttgtggaca ggcgccttgtt gtgaggagga caaaataaac cgtgtatcca ttacattgtt 960
120 gcctttgtt aggtgcaagg agtgtaaaat gtatattttt aaagaatgtt agaaaaggaa 1020
122 ccattcctt catagggatg gcagtgtatc tgcgtccctt ttgtttcat tggtacacgt 1080
124 gtaacaagaa agtggctgtt ggtatcgtat tttagaaaact acaaataatag gtttgattca 1140
126 aca          1143
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131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
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137 agtgcacaggc aaggccacgc ccccgccagg gcccgcctcg agcccgccgc ccccaaggcc 120
139 tgggacgaga tcctgaagga gctagacgag tgctacgacg gcttcgtcg cgagacacac 180
141 ggggcgcaga agcggcgat gctgcactgt gtgcagcgcgc cgctgatcccg cagccaggag 240
143 ctgggcgacg agaagatcca gatcgtgacg cagatggtgg agctggtggaa gaaccgcacg 300
145 cggcaggtgg acagccacgt ggagctgttc gaggccgcacg aggagctggg cgacacacgc 360
147 ggcacacgc gcaaggctgg cgcggacagg cccaaaggcg aggccgcacg gcaggctgac 420
149 aagcccaaca gcaaggcgtc acggccggcag cgcaacaacg agaaccgtga gaacgcgtcc 480
151 agcaaccacg accacgacga cggccgcctcg ggcacacccaa aggagaagaa ggcacacgc 540
153 tccaaagaaga agaagcgctc caaggccaaag gcccggcgag aggctccccc tgccgacctc 600
155 cccatcgacc ccaacgaacc cacgtactgt ctgtgcaccc aggtctccat tggggagatg 660
157 atcggctgcg acaacgacga gtgccttc gatgtggatcc acttctcgat cgtggggctc 720
159 aatcataaaac ccaaggccaa gt          742
162 <210> SEQ ID NO: 4
163 <211> LENGTH: 857
164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/451,739D

DATE: 11/09/2001
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W--> 166 <400> SEQUENCE: 4

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169	ctcgcccta	tccaccttt	ctggggctcg	gcactaggaa	gcagcttccc	tctcaggccc	120
171	ctttgtctcc	aagccgttcc	aaactgagta	ccggagacg	acacaaaagg	agggcggtga	180
173	cggatggcgc	aggcgccgg	gccgcctagg	ctgctgggg	tggtggtccg	gccgcgaaat	240
175	ggagatcctg	aaggagctag	acgagtgc	cgagcgcttc	agtcgcgaga	cagacggggc	300
177	gcagaagcgg	cggatgtgc	actgtgtca	gcccgcgtg	atccgcagcc	aggagctggg	360
179	cgacgagaag	atccagatcg	tgagccagat	gttgagactg	gtggagaacc	gcacgcggca	420
181	gttggacagc	cacgtggagc	tgttcgaggc	gcagcaggag	ctgggcgaca	cagcgggcaa	480
183	cagcggcaag	gctggcgg	acaggccaa	aggcaggcgc	gcagcgcagg	ctgacaagcc	540
185	caacagcaag	cgctcacggc	ggcagcgc	caacgagaac	cgtgagaacg	cgtccagcaa	600
187	ccacgaccac	gacgcggc	cctcggc	acccaaggag	aagaaggca	agacctccaa	660
189	gaagaagaag	cgctccaagg	ccaaggcgg	gcgagaggcg	tcccctggc	acctccccat	720
191	cgaccccaac	gacgcgtgcc	ccatcgagtg	gttccacttc	tcgtgcgtgg	ggctcaatca	780
193	ctgcgacaac	gacgcgtgcc	ccatcgagtg	gttccacttc	tcgtgcgtgg	ggctcaatca	840
195	taaacccaag	ggcaagt					857

198 <210> SEQ ID NO: 5

199 <211> LENGTH: 279

200 <212> TYPE: PRT

201 <213> ORGANISM: Homo sapiens

W--> 202 <400> SEQUENCE: 5

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204	1							5				10				15
206	Glu	Asp	Tyr	Leu	Asp	Ser	Ile	Glu	Ser	Leu	Pro	Phe	Asp	Leu	Gln	Arg
207								20				25				30
209	Asn	Val	Ser	Leu	Met	Arg	Glu	Ile	Asp	Ala	Lys	Tyr	Gln	Glu	Ile	Leu
210								35				40				45
212	Lys	Glu	Leu	Asp	Glu	Cys	Tyr	Glu	Arg	Phe	Ser	Arg	Glu	Thr	Asp	Gly
213								50				55				60
215	Ala	Gln	Lys	Arg	Arg	Met	Leu	His	Cys	Val	Gln	Arg	Ala	Leu	Ile	Arg
216								65				70				80
218	Ser	Gln	Glu	Leu	Gly	Asp	Glu	Lys	Ile	Gln	Ile	Val	Ser	Gln	Met	Val
219								85				90				95
221	Glu	Leu	Val	Glu	Asn	Arg	Thr	Arg	Gln	Val	Asp	Ser	His	Val	Glu	Leu
222								100				105				110
224	Phe	Glu	Ala	Gln	Gln	Glu	Leu	Gly	Asp	Thr	Val	Gly	Asn	Ser	Gly	Lys
225								115				120				125
227	Val	Gly	Ala	Asp	Arg	Pro	Asn	Gly	Asp	Ala	Val	Ala	Gln	Ser	Asp	Lys
228								130				135				140
230	Pro	Asn	Ser	Lys	Arg	Ser	Arg	Arg	Gln	Arg	Asn	Asn	Glu	Asn	Arg	Glu
231								145				150				160
233	Asn	Ala	Ser	Ser	Asn	His	Asp	His	Asp	Asp	Gly	Ala	Ser	Gly	Thr	Pro
234								165				170				175
236	Lys	Glu	Lys	Lys	Ala	Lys	Thr	Ser	Lys	Lys	Lys	Lys	Arg	Ser	Lys	Ala
237								180				185				190
239	Lys	Ala	Glu	Arg	Glu	Ala	Ser	Pro	Ala	Asp	Leu	Pro	Ile	Asp	Pro	Asn
240								195				200				205
242	Glu	Pro	Thr	Tyr	Cys	Leu	Cys	Asn	Gln	Val	Ser	Tyr	Gly	Glu	Met	Ile
243								210				215				220

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/451,739D

DATE: 11/09/2001
TIME: 11:14:22

Input Set : A:\#703518v1 -DECEMBER 8 REVISED SEQUENCE LISTING NDH.txt
Output Set: N:\CRF3\11092001\I451739D.raw

245 Gly Cys Asp Asn Asp Glu Cys Pro Ile Glu Trp Phe His Phe Ser Cys
 246 225 230 235 240
 248 Val Gly Leu Asn His Lys Pro Lys Gly Lys Trp Tyr Cys Pro Lys Cys
 249 245 250 255
 251 Arg Gly Glu Asn Glu Lys Thr Met Asp Lys Ala Leu Glu Lys Ser Lys
 252 260 265 270
 254 Lys Glu Arg Ala Tyr Asn Arg
 255 275

258 <210> SEQ ID NO: 6

259 <211> LENGTH: 210

260 <212> TYPE: PRT

261 <213> ORGANISM: Homo sapiens

W--> 262 <220> FEATURE:

W--> 263 <400> SEQUENCE: 6

264 Met Leu His Cys Val Gln Arg Ala Leu Ile Arg Ser Gln Glu Leu Gly
 265 1 5 10 15
 267 Asp Glu Lys Ile Gln Ile Val Ser Gln Met Val Glu Leu Val Glu Asn
 268 20 25 30
 270 Arg Thr Arg Gln Val Asp Ser His Val Glu Leu Phe Glu Ala Gln Gln
 271 35 40 45
 273 Glu Leu Gly Asp Thr Val Gly Asn Ser Gly Lys Val Gly Ala Asp Arg
 274 50 55 60
 276 Pro Asn Gly Asp Ala Val Ala Gln Ser Asp Lys Pro Asn Ser Lys Arg
 277 65 70 75 80
 279 Ser Arg Arg Gln Arg Asn Asn Glu Asn Arg Glu Asn Ala Ser Ser Asn
 280 85 90 95
 282 His Asp His Asp Asp Gly Ala Ser Gly Thr Pro Lys Glu Lys Lys Ala
 283 100 105 110
 285 Lys Thr Ser Lys Lys Lys Arg Ser Lys Ala Lys Ala Glu Arg Glu
 286 115 120 125
 288 Ala Ser Pro Ala Asp Leu Pro Ile Asp Pro Asn Glu Pro Thr Tyr Cys
 289 130 135 140
 291 Leu Cys Asn Gln Val Ser Tyr Gly Glu Met Ile Gly Cys Asp Asn Asp
 292 145 150 155 160
 294 Glu Cys Pro Ile Glu Trp Phe His Phe Ser Cys Val Gly Leu Asn His
 295 165 170 175
 297 Lys Pro Lys Gly Lys Trp Tyr Cys Pro Lys Cys Arg Gly Glu Asn Glu
 298 180 185 190
 300 Lys Thr Met Asp Lys Ala Leu Glu Lys Ser Lys Lys Glu Arg Ala Tyr
 301 195 200 205

303 Asn Arg

304 210

307 <210> SEQ ID NO: 7

308 <211> LENGTH: 235

309 <212> TYPE: PRT

310 <213> ORGANISM: Homo sapiens

W--> 311 <400> SEQUENCE: 7

312 Met Glu Ile Leu Lys Glu Leu Asp Glu Cys Tyr Glu Arg Phe Ser Arg
 313 1 5 10 15

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/451,739D

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Input Set : A:\#703518v1 -DECEMBER 8 REVISED SEQUENCE LISTING NDH.txt
Output Set: N:\CRF3\11092001\I451739D.raw

315 Glu Thr Asp Gly Ala Gln Lys Arg Arg Met Leu His Cys Val Gln Arg
 316 20 25 30
 318 Ala Leu Ile Arg Ser Gln Glu Leu Gly Asp Glu Lys Ile Gln Ile Val
 319 35 40 45
 321 Ser Gln Met Val Glu Leu Val Glu Asn Arg Thr Arg Gln Val Asp Ser
 322 50 55 60
 324 His Val Glu Leu Phe Glu Ala Gln Gln Glu Leu Gly Asp Thr Val Gly
 325 65 70 75 80
 327 Asn Ser Gly Lys Val Gly Ala Asp Arg Pro Asn Gly Asp Ala Val Ala
 328 85 90 95
 330 Gln Ser Asp Lys Pro Asn Ser Lys Arg Ser Arg Arg Gln Arg Asn Asn
 331 100 105 110
 333 Glu Asn Arg Glu Asn Ala Ser Ser Asn His Asp His Asp Asp Gly Ala
 334 115 120 125
 336 Ser Gly Thr Pro Lys Glu Lys Lys Ala Lys Thr Ser Lys Lys Lys
 337 130 135 140
 339 Arg Ser Lys Ala Lys Ala Glu Arg Glu Ala Ser Pro Ala Asp Leu Pro
 340 145 150 155 160
 342 Ile Asp Pro Asn Glu Pro Thr Tyr Cys Leu Cys Asn Gln Val Ser Tyr
 343 165 170 175
 345 Gly Glu Met Ile Gly Cys Asp Asn Asp Glu Cys Pro Ile Glu Trp Phe
 346 180 185 190
 348 His Phe Ser Cys Val Gly Leu Asn His Lys Pro Lys Gly Lys Trp Tyr
 349 195 200 205
 351 Cys Pro Lys Cys Arg Gly Glu Asn Glu Lys Thr Met Asp Lys Ala Leu
 352 210 215 220
 354 Glu Lys Ser Lys Lys Glu Arg Ala Tyr Asn Arg
 355 225 230 235
 358 <210> SEQ ID NO: 8
 359 <211> LENGTH: 772
 360 <212> TYPE: DNA
 361 <213> ORGANISM: Homo sapiens
 362 <221> NAME/KEY: CDS
 363 <222> LOCATION: 689,714
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 369 agcagggctc catggccaag gcgttagcgc aggctcccc cgcagaccc cccatcgacc 180
 371 ccagcgagcc ctccctactgg gagatgatcc gctgcgacaa cgaatgcccc atcgagtgg 240
 373 tccgcttctc gtgtgtgagt ctcaaccata aaccaaagcg caagtggta cttccagat 300
 375 gccggggaaa gaacgatggg caaagccctt gagaagtcca gaaaaaaaaac agggcttata 360
 377 acaggttagtt tggggacatg cgtctaatacg tgaggagaac aaaataagcc agtgtgttga 420
 379 ttacattgcc accttgctg aggtgcagga agtgtaaaaat gtatatttt aaagaatgtt 480
 381 gtttagaggcc gggcgccgtg gtcacgcct gtaatcccag cacttggga ggccgaggcg 540
 383 gtcggatcac gaggtcagga gatcgagacc atccctggcta acacggtaa accccgtctc 600
 385 tactaaaaat taaaaaaaaa attagctgg gctgtggc gggccctgt agtcccagct 660
 W--> 387 attcgggagg ctgaggcagg agaatggc gaacctggga ggtggagctt gcaatgagcc 720
 389 aaggtcgcgc cactgcaactc cagcctggc gacagagcga gactccatct ta 772
 392 <210> SEQ ID NO: 9

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/451,739D

DATE: 11/09/2001
TIME: 11:14:23

Input Set : A:\#703518v1 -DECEMBER 8 REVISED SEQUENCE LISTING NDH.txt
Output Set: N:\CRF3\11092001\I451739D.raw

L:25 M:283 W: Missing Blank Line separator, <220> field identifier
L:29 M:283 W: Missing Blank Line separator, <400> field identifier
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:87 M:283 W: Missing Blank Line separator, <400> field identifier
L:133 M:283 W: Missing Blank Line separator, <220> field identifier
L:134 M:283 W: Missing Blank Line separator, <400> field identifier
L:166 M:283 W: Missing Blank Line separator, <400> field identifier
L:202 M:283 W: Missing Blank Line separator, <400> field identifier
L:262 M:283 W: Missing Blank Line separator, <220> field identifier
L:263 M:283 W: Missing Blank Line separator, <400> field identifier
L:311 M:283 W: Missing Blank Line separator, <400> field identifier
L:364 M:283 W: Missing Blank Line separator, <400> field identifier
L:387 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:387 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:396 M:283 W: Missing Blank Line separator, <400> field identifier
L:404 M:283 W: Missing Blank Line separator, <400> field identifier
L:412 M:283 W: Missing Blank Line separator, <400> field identifier
L:420 M:283 W: Missing Blank Line separator, <400> field identifier
L:428 M:283 W: Missing Blank Line separator, <400> field identifier
L:436 M:283 W: Missing Blank Line separator, <400> field identifier
L:446 M:283 W: Missing Blank Line separator, <400> field identifier
L:501 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:501 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:505 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:505 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:509 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:509 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:511 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:511 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:513 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:513 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:520 M:283 W: Missing Blank Line separator, <400> field identifier
L:622 M:283 W: Missing Blank Line separator, <400> field identifier
L:630 M:283 W: Missing Blank Line separator, <400> field identifier
L:638 M:283 W: Missing Blank Line separator, <400> field identifier

Errors

~~09/45193~~
09/4517390

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89
Must enumerate

<210> 15
<211> 2030
<212> DNA
<213> Homo sapiens
<221> CDS
<222> 1628, 1752, 1758, 1769, 1789, 1873, 1908, 1915, 1933, 1970, 1976
<400> 15
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ctaaaggcctt agaattgtat gacatgcata ctttcaaagc agagcctccc gagaagccat 120
ctgccttcga gcctgccatt gaaatgcaaa agtctgttcc aaataaagcc ttgaaatgt 180
agaatgaaca aacattgaga gcagatgaga tactccatc agaatccaaa caaaaggact 240
atgaagaaag ttctggat ictgagagtc tcgtgagac tgttcacag aaggatgtgt 300
gttacccaa ggctacacat caaaaagaaa tagataaaat aaatggaaaa tttagaagagt 360
ctcctgataa tggatggttt ctgaaggctc cctgcagaat gaaagtttctt attccaacta 420
aaggcttaga attgatggac atgcaaaactt tcaaagcaga gcctcccgag aagccatctg 480
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aagaaaattc ttggattct gagagtc tccgtgactgt ttcacagaag gatgtgtgt 660
tacccaaaggc tacacatcaa aaagaaatgg ataaaataag tggaaaatta gaagattcaa 720
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aattgaagag tggaaatgt aatttgaatc agtttctca cactcatgaa aatgaaaattt 1140
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tgagtatcac ccatggatg ctccatcaac cacttctga agctcaaagg 1620

aaatcanaa gcctaaaaat taatctaat tatgcaggag atgcctcaag agaaaataca 1680

Erroneous: must enumerate n's.